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JAMECO® ELECTRONICS

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Volgen *Quality First*

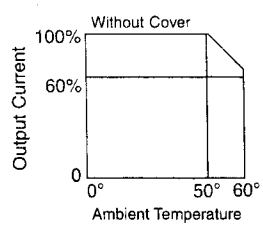
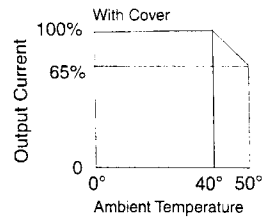
# PRK SERIES

***Triple Output Models***

**Jameco Part Number 205823**

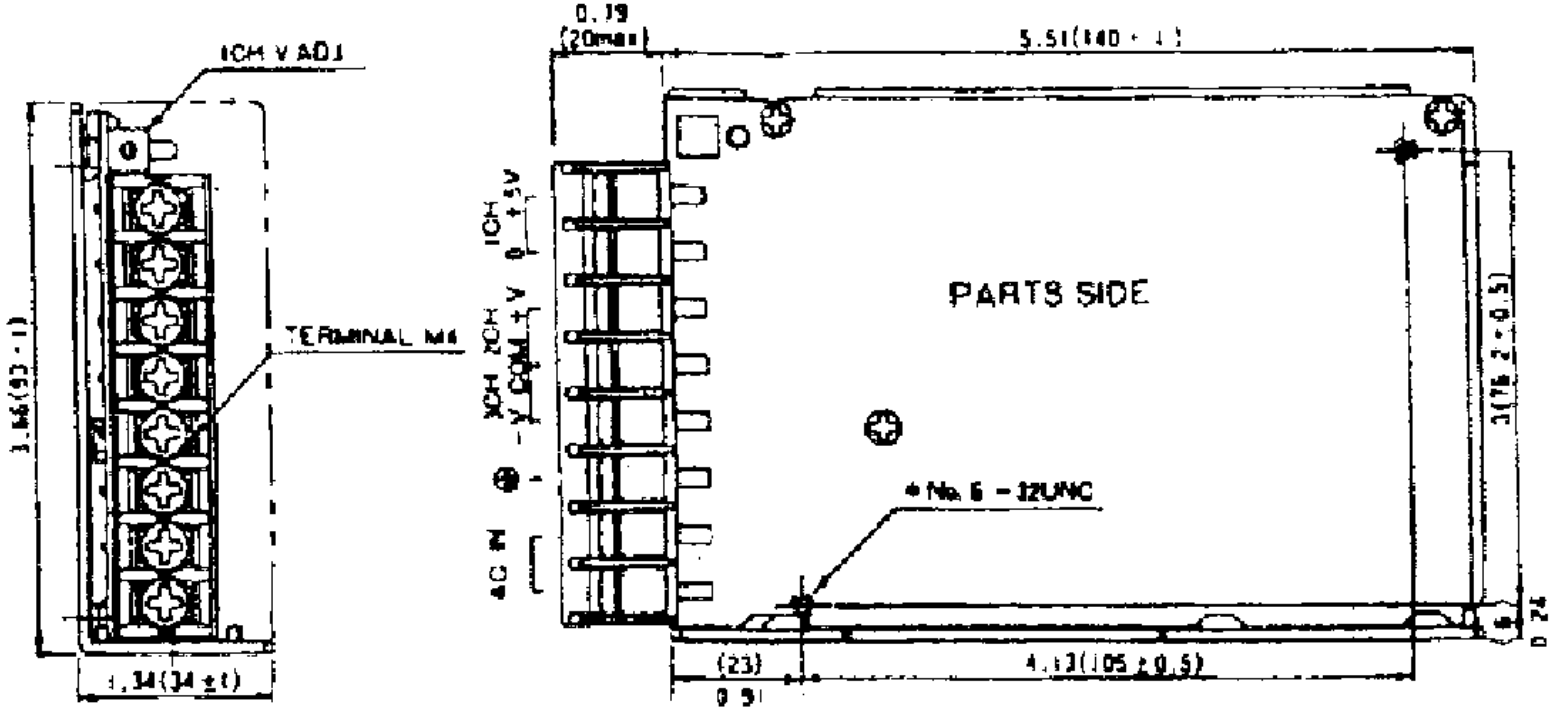
## Features:

- **15W, 30W, 50W & 70W Triple Output Models**
- AC Input for U.S. & Canada (AC85-132V)
- Safety Approvals: UL , CSA
- EMI: FCC Class B
- Metal Chassis with Cover
- High Reliability
- Low Cost, High Performance
- Compact Size and Low Profile

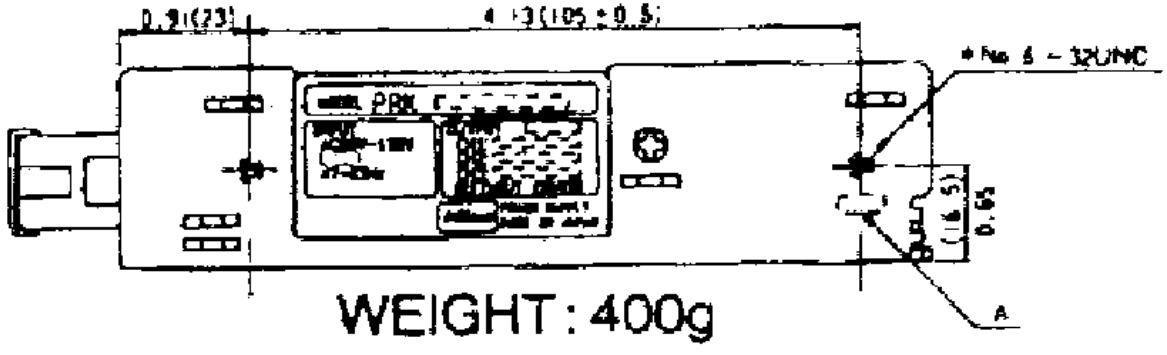
| *Specifications:* | |
|---|---|
| INPUT VOLTAGE | 100 - 120VAC (AC85 - 132V, DC: 110-170V) |
| INPUT FREQUENCY | 50/60 Hz (47 ~ 63 Hz) |
| EFFICIENCY | PRK 15U:64%(TYP), PRK30U: 65%(TYP), PRK50U: 70% (TYP), PRK70U:73% (TYP) |
| INPUT CURRENT | PRK15: 04A, PRK30: 0.7A, PRK50: 1.2A, PRK70: 1.4A |
| INRUSH CURRENT | PRK 15U:12A(max), PRK30U/50U/70U:35A(max) at 100 VAC cold start |
| OUTPUT ADJUST RANGE | CH1 +5%, -0% CH2, CH3: FIX |
| LINE REGULATION | 0.4% MAX. |
| LOAD REGULATION | PRK 15U CHI: 0.8% MAX. CH2,3: 1.0% MAX. PRK30U/50U CH1: 0.8% MAX. CH2: 1.2% MAX. CH3: 1.0% MAX, PRK70U CH1: 0.8% MAX. CH2: 2.0% MAX. CH3: 1.2% MAX. |
| RIPPLE/NOISE (DC~100 Mhz) | PRK15U/30U/50U/: 5V:80mVp-p, ±12V ±15V 100mVp-p PRK 70U: 5V:80mVp-p, ±12, ±15V:120mVp-p |
| OVER VOLTAGE PROTECTION | Built-in (CH1 only) |
| OVER CURRENT PROTECTION | Built-in |
| TEMPERATURE COEFFICIENT | 0.02%/°C |
| DRIFT | 0.5% + 15mV/8hours (after 1 hour warm-up) |
| RISE TIME | 100MS MAX. |
| HOLD-UP TIME | 20MS (TYP) |
| OPERATING TEMPERATURE | 0°C TO + 60°C     |
| STORAGE TEMPERATURE | -20 - 85°C |
| HUMIDITY | 25 - 85% RH (Non Condensing) |
| DIELECTRIC WITHSTANDING VOLTAGE | Primary - Secondary: AC 1500v/ 1 min.<br>Primary - Case: AC 1500v/ 1 min. (cut off current: 20mA)<br>Secondary - Case: AC 500v/ 1min. |
| LEAKAGE CURRENT | 0.5mA (max.) |
| ISOLATION RESISTANCE | Primary to Secondary to Case 100M ohm (DC500v) |
| SHOCK TEST PROCEDURES | Vibration: 0.5mm width, 10 - 55 Hz / 1 min. cycle, 3 directions each 30 minutes<br>Shock: 20G (3 directions each 3 times) |
| | |

| MODEL | OUTPUT | | OUTPUT | | OUTPUT | |
|---|---|---|---|---|---|---|
| | VOLT | AMPS | VOLT | AMPS | VOLT | AMPS |
| PRK15U-1212 | 5V | 0.1~2.5A | 12V | 0.3A | -12V | 0.3A |
| PRK15U-1515 | 5V | 0.1~2.5A | 15V | 0.3A | -15V | 0.3A |
| PRK30U-1212 | 5V | 0.5~3A | 12V | 1.2A | -12V | 0.5A |
| PRK30U-1515 | 5V | 0.5~3A | 15V | 1.2A | -15V | 0.5A |
| PRK50U-1212 | 5V | 0.5~5A | 12V | 1.5A | -12V | 0.5A |
| PRK50U-1515 | 5V | 0.5~5A | 15V | 1.2A | -15V | 0.5A |
| PRK70U-1212 | 5V | 1.5~5A | 12V | 2.5A | -12V | 1.0A |
| PRK70U-1515 | 5V | 1.5~5A | 15V | 2.0A | -15V | 1.0A |

# ●PRK30U




※Covered Unit : 1.46(37 ±1)




WEIGHT : 400g